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| <b>UTILITY<br/>PATENT APPLICATION<br/>TRANSMITTAL</b><br><small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small> |  | Attorney Docket No. 2957-0136                   |  |
|   |  | First Inventor Young Kil KWON                   |  |
|   |  | Title SUPERCONDUCTING ROTOR WITH COOLING SYSTEM |  |

19704 U.S. PTO  
 10/616943  
 07/11/03

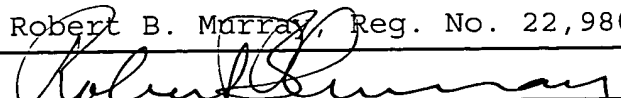
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| <input checked="" type="checkbox"/> <b>Applicant for Published Patent Application:</b> Korea Electrotechnology Research Institute<br>Kyungsangnam-do, Republic of Korea |  |
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| <b>APPLICATION ELEMENTS</b><br>See MPEP chapter 600 concerning utility patent application contents. | <b>ADDRESS TO:</b> Assistant Commissioner of Patents<br>Box Patent Application<br>Washington, D.C. 20231 |
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| 1. <input checked="" type="checkbox"/> Fee Transmittal Form<br><i>(Submit an original, and a duplicate for fee processing)</i><br>2. <input type="checkbox"/> Applicant claims small entity status.<br>3. <input checked="" type="checkbox"/> Specification Total pages [ 34 ]<br><i>(preferred arrangement set forth below)</i><br>- Descriptive title of the invention<br>- Cross references to Related Applications<br>- Statement Regarding Fed sponsored R&D<br>- Reference to sequence listing, a table or a computer program listing appendix<br>- Background of the Invention<br>- Brief Summary of the Invention<br>- Brief Description of the Drawings<br>- Detailed Description<br>- Claims<br>- Abstract of the Disclosure<br>4. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) (Total Sheets) [ 3 ]<br>5. <input checked="" type="checkbox"/> Oath or Declaration (Total Pages) [ 4 ]<br>a. <input checked="" type="checkbox"/> Newly executed (original or copy)<br>b. <input type="checkbox"/> Copy from a prior application<br>(37 CFR 1.63(d))<br>(for continuation/divisional with Box 17 completed)<br><b>[Note Box 5 below]</b><br>i. <input type="checkbox"/> <u>DELETION OF INVENTOR(S)</u><br>Signed statement attached deleting inventor(s) named in the prior application,<br>6. <input type="checkbox"/> Application Data Sheet. | 7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program<br>8. Nucleotide and/or Amino Acid Sequence Submission<br>a. <input type="checkbox"/> Computer Readable Form (CRF)<br>b. Specification Sequence Listing on:<br>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or<br>ii. <input type="checkbox"/> paper<br>c. <input type="checkbox"/> Statement verifying identity of above copies<br><br><b>ACCOMPANYING APPLICATION PARTS</b><br>9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s))<br>10. <input type="checkbox"/> 37 CFR 3.73(b) Statement<br><i>(when there is an assignee)</i><br><input type="checkbox"/> Power of Attorney<br>11. <input type="checkbox"/> English Translation Document <i>(if applicable)</i><br>12. <input type="checkbox"/> Information Disclosure Statement /PTO 1449<br><input type="checkbox"/> Copies of IDS Citations<br>13. <input type="checkbox"/> Preliminary Amendment<br>14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503)<br><i>(Should be specifically itemized)</i><br>15. <input type="checkbox"/> Certified Copy of Priority Document(s).<br>16. <input type="checkbox"/> Request and Certification under 35 U.S.C. 122(b)(2)(B)(i).<br>17. <input type="checkbox"/> Other: |
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| 17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below or in an application Data Sheet under 37 CFR 1.76::<br><input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No.:<br>Prior application information: Examiner _____ Group/Art Unit _____<br>For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation <u>can only</u> be relied upon when a portion has been inadvertently omitted from the submitted application parts. |  |  |  |  |  |
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| <input checked="" type="checkbox"/> Customer Number or Bar Code Label <b>6449</b> |  |  |  |  |  |
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|-----------|---|---|--------------|--------------------|--------------|
| Address   |   | Rothwell, Figg, Ernst & Manbeck<br>Suite 800, 1425 K Street, N.W. |              |                    |              |
| City      | Washington  | State   | D.C.         | Zip Code           | 20005        |
| Country   | U.S.A.  | Telephone   | 202-783-6040 | Fax                | 202-783-6031 |
| Name      | Robert B. Murray, Reg. No. 22,980   |   |              |                    |              |
| Signature |  |   |              | Date July 11, 2003 |              |

07/11/03

15915 U.S. PRO

# **FEE TRANSMITTAL for FY 2003 (Large Entity)**

Complete if Known

|                      |                      |
|----------------------|----------------------|
| Application Number   | New Application      |
| Filing Date          | July 11, 2003        |
| First Named Inventor | Young Kil KWON et al |
| Examiner Name        |                      |
| Group Art Unit       |                      |

19704 U.S. PRO  
10/615943

07/11/03

Total Amount of Payment (\$1,002

Attorney Docket Number 2957-136

## METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge additional fees and credit any overpayment to Deposit Account Number 02-2135 in the name of Rothwell, Figg, Ernst & Manbeck

☐ Charge any Additional Fee Required Under 37 CFR 1.16 and 1.17

☐ Applicant claims small entity status

2. ☒ Payment Enclosed

☒ Check

☐ Credit Card

## FEE CALCULATION

### 1. FILING FEE

| Code | Fee | Fee Description        | Fee Paid |
|------|-----|------------------------|----------|
| 1001 | 750 | Utility filing fee     | [750]    |
| 1002 | 330 | Design Filing Fee      | [ ]      |
| 1003 | 520 | Plant Filing Fee       | [ ]      |
| 1004 | 750 | Reissue Filing Fee     | [ ]      |
| 1005 | 160 | Provisional Filing Fee | [ ]      |

**SUBTOTAL \$750**

### 2. CLAIMS

| Paid  | Extra Claims | Fee | Fee |
|---|--------------|-----|-----|
| Total Claims [11] - 20** = [0] x \$18 = [ ]     |              |     |     |
| Independent Claims [6] - 3** = [3] x 84 = [252] |              |     |     |
| Multiple Dependent Claims + 280 = [ ]           |              |     |     |

\*\*or number previously paid, if greater;

**SUBTOTAL \$252**

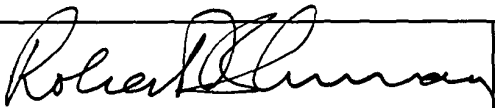
## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

| Code | Fee    | Fee Description  | Fee Paid |
|------|--------|--|----------|
| 1051 | 130    | Surcharge - late filing fee or oath  | [ ]      |
| 1052 | 50     | Surcharge - late provisional filing fee or cover sheet                     | [ ]      |
| 1053 | 130    | Non-English specification  | [ ]      |
| 1812 | 2,520  | For filing a request for reexamination                                     | [ ]      |
| 1804 | 920    | Requesting publication of SIR prior to Examiner action                     | [ ]      |
| 1804 | 1,840* | Requesting publication of SIR after Examiner action                        | [ ]      |
| 1251 | 110    | Extension for reply within first month                                     | [ ]      |
| 1252 | 410    | Extension for reply within second month                                    | [ ]      |
| 1253 | 930    | Extension for reply within third month                                     | [ ]      |
| 1254 | 1,450  | Extension for reply within fourth month                                    | [ ]      |
| 1255 | 1,970  | Extension for reply within fifth month                                     | [ ]      |
| 1401 | 320    | Notice of Appeal   | [ ]      |
| 1402 | 320    | Filing a brief in support of an appeal                                     | [ ]      |
| 1403 | 280    | Request for Oral Hearing   | [ ]      |
| 1451 | 1,510  | Petition to institute a public use proceeding                              | [ ]      |
| 1452 | 110    | Petition to revive -unavoidable  | [ ]      |
| 1453 | 1,300  | Petition to revive - unintentional   | [ ]      |
| 1501 | 1,300  | Utility issue fee (or reissue)   | [ ]      |
| 1502 | 470    | Design issue fee   | [ ]      |
| 1503 | 630    | Plant issue fee  | [ ]      |
| 1460 | 130    | Petitions to the Commissioner  | [ ]      |
| 1807 | 50     | Processing fee under 37 CFR 1.17(q)  | [ ]      |
| 1806 | 180    | Submission of Information Disclosure Statement                             | [ ]      |
| 8021 | 40     | Recording each patent assignment per property (times number of properties) | [ ]      |
| 1809 | 750    | Filing a submission after final rejection (37 CFR .129(a))                 | [ ]      |
| 1810 | 750    | For each additional invention to be examined (37 CFR 1.129(b))             | [ ]      |
| 1801 | 750    | Request for Continued Examination (RCE)                                    | [ ]      |
| 1802 | 900    | Request for expedited examination of a design application                  | [ ]      |
| 1504 | 300    | Publication fee for early, voluntary, or normal publication                | [ ]      |
| 1505 | 300    | Publication fee for republication  | [ ]      |
| 1455 | 200    | Filing application for patent term adjustment                              | [ ]      |
| 1456 | 400    | Request for reinstatement of term reduced                                  | [ ]      |
|      |        | Other fee (specify)  | [ ]      |

\* Reduced by Basic Filing Fee Paid

**SUBTOTAL \$**

|   |                                   |                          |  |
|---|-----------------------------------|--------------------------|--|
| SUBMITTED BY  |                                   | Complete (if applicable) |  |
| NAME AND REG. NUMBER  | Robert B. Murray, Reg. No. 22,980 |                          |  |
| SIGNATURE   | DATE                              | DEPOSIT ACCOUNT USER ID  |  |
|  | July 11, 2003                     |                          |  |